

*APS*

FILE 'USPAT' ENTERED AT 08:53:06 ON 10 OCT 96

L1 55095 ENZYM?  
L2 26231 RECOMBIN?  
L3 167958 KIT# OR PACKAG?  
L4 51 L1 (25A) L2 (25A) L3

=> d occ 1-51

US PAT NO: 5,552,536 [IMAGE AVAILABLE] L4: 1 of 51

=> d kwic 1-51

L5 4377 ENZYME# (5A) (TWO OR THREE OR FOUR OR FIVE)  
L6 61 L5 (25A) RECOMBINANT  
L7 60 L6 NOT L4

=> d occ 1-60

US PAT NO: 5,556,778 [IMAGE AVAILABLE] L7: 1 of 60

=> d kwic 1-60

U.S. Patent & Trademark Office SESSION SUSPENDED AT 09:07:25 ON 10 OCT 199  
6

*STN*

\*\*\*\*\* STN Columbus \*\*\*\*\*  
FILE 'HOME' ENTERED AT 09:08:15 ON 10 OCT 96

=> s (kit# or packag?) and (enzyme# (5a) recombinant)

29 FILES HAVE ONE OR MORE ANSWERS, 59 FILES SEARCHED IN STNINDEX

L1 QUE (KIT# OR PACKAG?) AND (ENZYME# (5A) RECOMBINANT)

=> file hits

=> \$11

L2 285 FILE USPATFULL  
L3 121 FILE CJACS  
L4 30 FILE BIOTECHDS  
L5 26 FILE PROMT  
L6 21 FILE MEDLINE  
L7 18 FILE BIOSIS  
L8 13 FILE CAPLUS  
L9 11 FILE EMBASE  
L10 9 FILE SCISEARCH  
L11 7 FILE LIFESCI  
L12 6 FILE WPIDS  
L13 5 FILE CANCERLIT  
L14 4 FILE AIDSLINE  
L15 4 FILE TOXLIT  
L16 3 FILE CABA  
L17 3 FILE DGENE  
L18 3 FILE PHIN  
L19 2 FILE CEN  
L20 2 FILE CIN  
L21 2 FILE JPNEWS  
L22 1 FILE CEABA  
L23 1 FILE DISSABS  
L24 1 FILE DRUGU  
L25 1 FILE FSTA  
L26 1 FILE IFIPAT  
L27 1 FILE JICST-EPLUS

TOTAL FOR ALL FILES

L28 581 L1

=> dup rem

ENTER L# LIST OR (END):l6-l27,l4,l5

DUPLICATE IS NOT AVAILABLE IN 'DGENE'. ANSWERS FROM THESE FILES WILL BE  
CONSIDERED UNIQUE

L29 117 DUP REM L6-L27,L4,L5 (58 DUPLICATES REMOVED)  
ANSWERS '1-21' FROM FILE MEDLINE  
ANSWERS '22-27' FROM FILE BIOSIS  
ANSWERS '28-34' FROM FILE CAPLUS  
ANSWER '35' FROM FILE EMBASE  
ANSWER '36' FROM FILE SCISEARCH  
ANSWERS '37-42' FROM FILE WPIDS  
ANSWERS '43-44' FROM FILE TOXLIT  
ANSWER '45' FROM FILE CABA  
ANSWERS '46-48' FROM FILE DGENE  
ANSWERS '49-51' FROM FILE PHIN  
ANSWERS '52-53' FROM FILE CEN  
ANSWERS '54-55' FROM FILE CIN  
ANSWERS '56-57' FROM FILE JPNEWS  
ANSWER '58' FROM FILE CEABA  
ANSWER '59' FROM FILE DISSABS  
ANSWER '60' FROM FILE DRUGU  
ANSWER '61' FROM FILE FSTA  
ANSWER '62' FROM FILE IFIPAT  
ANSWERS '63-91' FROM FILE BIOTECHDS

ANSWERS '92-117' FROM FILE PROMT

=> d ti 1-117

=> d bib abs 61,69

L29 ANSWER 61 OF 117 FSTA COPYRIGHT 1996 IFIS  
AN 95(11):B0079 FSTA FS FSTA  
TI Use of enzymes/proteins in the food industry.  
AU Fordham, J. R.  
CS IFT Annual Meeting 1995; Novo Nordisk BioIndustrials Inc., 33 Turner  
Rd., Danbury, CT 06813-1907, USA  
SO (1995) p. 63.  
DT Conference (Symposium)  
LA English  
AB Sources and methods of manufacture of enzyme preparations and their  
use in the food processing/ \*\*\*packaging\*\*\* industry are  
outlined, as are potential hazards associated with use of enzymes  
and other soluble proteins (e.g. skin irritation, allergies) and  
means of minimizing these risks. Existing guidelines for assessment  
of human and environmental safety of enzymes used in food  
processing, and their application to \*\*\*enzymes\*\*\* generated by  
\*\*\*recombinant\*\*\* DNA techniques, are considered. [Further  
abstracts from this Meeting can be traced via the FSTA author index,  
under IFT Annual Meeting 1995. See FSTA (1995) 27 10A6. From En  
summ.] (LJW)

=> index bioscience patents

=> s composition# (10a) enzyme# (10a) recombinant

25 FILES HAVE ONE OR MORE ANSWERS, 59 FILES SEARCHED IN STNINDEX

L1 QUE COMPOSITION# (10A) ENZYME# (10A) RECOMBINANT?

=> file hits

=> s ll

L2	19 FILE USPATFULL
L3	16 FILE BIOTECHDS
L4	9 FILE CAPLUS
L5	8 FILE BIOSIS
L6	7 FILE CEABA
L7	7 FILE MEDLINE
L8	6 FILE DGENE
L9	6 FILE SCISEARCH
L10	4 FILE DISSABS
L11	4 FILE PATOSWO
L12	3 FILE EMBASE
L13	3 FILE LIFESCI
L14	3 FILE PATOSEP
L15	2 FILE BIOBUSINESS
L16	2 FILE CANCERLIT
L17	2 FILE IFIPAT
L18	1 FILE CABA
L19	1 FILE CJACS
L20	1 FILE FSTA
L21	1 FILE PROMT
L22	1 FILE TOXLINE
L23	1 FILE DPCI
L24	1 FILE WPIDS

TOTAL FOR ALL FILES

L25 108 L1

=> dup rem

ENTER L# LIST OR (END):17-124,14-16

DUPLICATE IS NOT AVAILABLE IN 'DGENE, DPCI'. ANSWERS FROM THESE FILES WILL BE  
CONSIDERED UNIQUE

L26 51 DUP REM L7-L24,L4-L6 (22 DUPLICATES REMOVED)  
ANSWERS '1-7' FROM FILE MEDLINE  
ANSWERS '8-13' FROM FILE DGENE  
ANSWER '14' FROM FILE SCISEARCH  
ANSWERS '15-18' FROM FILE DISSABS  
ANSWERS '19-22' FROM FILE PATOSWO  
ANSWERS '23-24' FROM FILE LIFESCI  
ANSWERS '25-27' FROM FILE PATOSEP  
ANSWERS '28-29' FROM FILE IFIPAT  
ANSWER '30' FROM FILE CABA  
ANSWER '31' FROM FILE CJACS  
ANSWER '32' FROM FILE PROMT  
ANSWER '33' FROM FILE DPCI  
ANSWER '34' FROM FILE WPIDS  
ANSWERS '35-43' FROM FILE CAPLUS  
ANSWERS '44-45' FROM FILE BIOSIS  
ANSWERS '46-51' FROM FILE CEABA

=> d ti 1-51

=> d bib abs 21,27,30,50

L26 ANSWER 21 OF 51 PATOSWO COPYRIGHT 1996 WILA  
AN 91:17518 PATOSWO ED 920522 EW 9105 FS OS  
TI ENZYMES AND ENZYMATIC DETERGENT COMPOSITIONS.  
IN BATENBURG, AMIR, MAXIMILIAAN, NL;  
EGMOND, MAARTEN, ROBERT, NL;  
FRENKEN, LEON, GERARDUS, JOSEPH, NL;  
VERRIPS, CORNELIS, THEODURUS, NL  
PA UNILEVER NV, NL;  
UNILEVER PLC, GB  
SO PCT-GAZETTE-910124  
DT Patent  
LA Application in English  
DS W BR; W CA; W JP; W US;  
PIT WOA1 PCT-PUBLICATION  
PI WO 9100910 A1 910124  
OD 910124  
AI WO 90-GB1052 900706  
PRAI GB 89-15658 890707

L26 ANSWER 27 OF 51 PATOSEP COPYRIGHT 1996 WILA

PATENT APPLICATION - PATENTANMELDUNG - DEMANDE DE BREVET

AN 90:204742 PATOSEP ED 920127 EW 9102 FS OS  
TIEN Enzymes and enzymatic detergent compositions.  
TIDE Enzyme und enzymhaltiges Reinigungsmittel.  
TIFR Enzymes et compositions detergentes enzymatiques.  
IN Batenberg, Amir Maximiliaan, Unilever Research, Vlaardingen  
Laboratory, Olivier van Noortlaan 120, NL-3133 AT Vlaardingen, NL;  
Egmond, Maarten Robert, Unilever Research, Vlaardingen Laboratory,  
Olivier van Noortlaan 120, NL-3133 AT Vlaardingen, NL;  
Frenken, Leo Gerardus Joseph, Unilever Research, Vlaardingen  
Laboratory, Olivier van Noortlaan 120, NL-3133 AT Vlaardingen, NL;  
Verrips, Cornelis Theodorus, Unilever Research, Vlaardingen  
Laboratory, Olivier van Noortlaan 120, NL-3133 AT Vlaardingen, NL  
PA UNILEVER PLC, Unilever House Blackfriars P.O. Box 68, London EC4P  
4BQ, GB, in GB;  
UNILEVER NV, Burgemeester s'Jacobplein 1 P.O. Box 760, NL-3000 DK  
Rotterdam, NL, in CH, DE, ES, FR, IT, LI, NL, SE  
PAN 200929; 200919  
AG Stancliffe, Terence Christopher et al, UNILEVER PLC Patents  
Division P.O. Box 68 Unilever House, London EC4P 4BQ, GB

AGN 36311  
OS ESP1991004 EP 0407225 A1 910109  
SO Wila-EPZ-1991-H02-T1  
DT Patent  
LA Anmeldung in Englisch; Veroeffentlichung in Englisch  
DS R CH; R DE; R ES; R FR; R GB; R IT; R LI; R NL; R SE  
PIT EPA1 EUROPAEISCHE PATENTANMELDUNG  
PI EP 407225 A1 910109  
OD 910109  
AI EP 90-307440 900706  
PRAI GB 89-15658 890707

L26 ANSWER 30 OF 51 CABAB COPYRIGHT 1996 CABI

AN 88:113299 CABAB

DN 880430237

TI Trends in the production of milk-clotting enzymes  
AU Yakunitskaya, L. M.; Samartsev, M. A.  
CS All Union Res. Inst. of Pure Biochem., Leningrad, USSR.  
SO Biotehnologiya, (1987) Vol. 3, No. 5, pp. 586-591. 46 ref.

ISSN: 0234-2758

DT Journal

LA Russian

SL English

AB This review briefly summarizes the main approaches to the production of substitutes for natural calf rennin (chymosin) for cheesemaking: mammalian \*\*\*enzyme\*\*\* \*\*\*compositions\*\*\*, microbial substitutes, chemically modified \*\*\*enzymes\*\*\* and products of \*\*\*recombinant\*\*\* DNA technology.

L26 ANSWER 50 OF 51 CEABA COPYRIGHT 1996 DECH/RSC/FIZC

AN 91:6115890 CEABA

TI Enzymes and enzymic detergent compositions.

AU Batenburg, A. M.; Egmond, M. R.; Frenken, L. G. J.; Verrips, C. T.  
(Unilever plc; Unilever NV, London EC4 4BQ; NL-3000 DK Rotterdam, UK;  
Netherlands)

SO European Patent Appl. (1991) EP 0407225(Appl. GB 8915658, Filed 7 Jul 1989)

CODEN: EPXXDW

DT Patent

LA Englisch

AB Lipase enzymes including mutant lipase enzymes, e.g. from Pseudomonas species are produced and modified by recombinant DNA techniques. The enzymes are applicable in detergent and cleaning compositions, with advantages of improved stability to proteolytic digestion.

STN INTERNATIONAL SESSION SUSPENDED AT 12:05:34 ON 10 OCT 1996